

Modern Concepts of Cardiovascular Disease

CONTENTS

Volume XL: January-December, 1971

SYSTOLIC TIME INTERVALS IN CARDIAC DISEASE (I), <i>Arnold M. Weissler and Clifford L. Garrard, Jr.</i>	1
SYSTOLIC TIME INTERVALS IN CARDIAC DISEASE (II), <i>Arnold M. Weissler and Clifford L. Garrard, Jr.</i>	5
OXYGEN CONSUMPTION OF THE HEART: PHYSIOLOGICAL PRINCIPLES AND CLINICAL IMPLICATIONS, <i>Edmund H. Sonnenblick and C. Lynn Skelton</i>	9
MEDICAL TREATMENT OF CHRONIC HYPERTENSION, <i>Edward D. Freis</i>	17
CARDIOMYOPATHY ASSOCIATED WITH HEREDOFAMILIAL NEUROMYOPATHIC DISEASES, <i>Joseph K. Perloff</i>	23
LUNG WATER IN CONGESTIVE HEART FAILURE, <i>Paul N. Yu</i>	27
ATRIOVENTRICULAR DEFECTS, <i>Jane Somerville</i>	33
MECHANICAL AND BIOCHEMICAL CORRELATES OF CARDIAC CONTRACTION (I), <i>Arnold M. Katz and Allan J. Brady</i>	39
MECHANICAL AND BIOCHEMICAL CORRELATES OF CARDIAC CONTRACTION (II), <i>Arnold M. Katz and Allan J. Brady</i>	45
PROSTAGLANDINS AND THE CIRCULATION, <i>Jiro Nakano</i>	49
SYNCOPE: PATHOLOGICAL PHYSIOLOGY: DIFFERENTIAL DIAGNOSIS AND TREATMENT (I), <i>Charles K. Friedberg</i>	55
SYNCOPE: PATHOLOGICAL PHYSIOLOGY: DIFFERENTIAL DIAGNOSIS AND TREATMENT (II), <i>Charles K. Friedberg</i>	61

Volume XLI: January-December, 1972

PATHOPHYSIOLOGY OF HEART FAILURE IN CONGENITAL HEART DISEASE, <i>Gerasim Tikoff and Hiroshi Kuida</i>	1
RELATIONSHIP BETWEEN CORONARY THROMBOSIS AND MYOCARDIAL INFARCTION, <i>William C. Roberts</i>	7
ISOMETRIC EXERCISE AND THE CARDIOVASCULAR SYSTEM, <i>Donald O. Nutter, Robert C. Schlant, and J. Willis Hurst</i>	11
PHYSICAL ACTIVITY AND CARDIOVASCULAR HEALTH: I. POTENTIAL FOR PREVENTION OF CORONARY HEART DISEASE AND POSSIBLE MECHANISMS, <i>Samuel M. Fox III, John P. Naughton, and Patrick A. Gorman</i>	17
PHYSICAL ACTIVITY AND CARDIOVASCULAR HEALTH: II. THE EXERCISE PRESCRIPTION: INTENSITY AND DURATION, <i>Samuel M. Fox III, John P. Naughton, and Patrick A. Gorman</i>	21
PHYSICAL ACTIVITY AND CARDIOVASCULAR HEALTH: III. THE EXERCISE PRESCRIPTION: FREQUENCY AND TYPE OF ACTIVITY, <i>Samuel M. Fox III, John P. Naughton, and Patrick A. Gorman</i>	25
A PHYSICIAN'S GUIDE TO HYPERLIPIDEMIA, <i>Donald S. Fredrickson</i>	31
THE CARDIOVASCULAR EFFECTS OF ORAL CONTRACEPTIVES, <i>J. Edwin Wood</i>	37
CLARIFICATION OF THE CARDIOMYOPATHIES, <i>J. F. Goodwin</i>	41
CORONARY BYPASS OPERATIONS FOR ISCHEMIC HEART DISEASE, <i>Nicholas T. Kouchoukos and John W. Kirklin</i>	47
CURRENT PROBLEMS IN INFECTIVE ENDOCARDITIS: WITH SPECIAL REFERENCE TO CASES ACQUIRED IN HOSPITAL OR AFTER CARDIAC SURGERY, <i>Maxwell Finland</i>	53
EARLY MOBILIZATION AND DISCHARGE AFTER MYOCARDIAL INFARCTION, <i>Geoffrey Rose</i>	59

Modern Concepts of Cardiovascular Disease

SUBJECT INDEX

Volumes XL-XLI

1971-1972

A

- Aldosterone, oral contraceptive effects on renin-angiotensin-aldosterone system, 37 (72)
- Angina pectoris:
 - coronary bypass surgery for, 47 (72)
 - and oxygen consumption of the heart, 9 (71)
- Angiotensin, oral contraceptive effects on renin-angiotensin-aldosterone system, 37 (72)
- Antihypertensive agents, 17 (71)
- Asepsis, and infective endocarditis in cardiac surgery, 53 (72)
- Ataxia, Friedreich's, cardiovascular manifestations, 23 (71)
- Atrial septal defect, heart failure and shunting in, 1 (72)
- Atrioventricular defects; anatomy, clinical presentation, surgical treatment, 33 (71)

B

- Bacterial endocarditis, prevention and recurrences, 53 (72)
- Blood vessels, effects of oral contraceptives on, 37 (72)
- Bypass operations, coronary artery, for ischemic heart disease, 47 (72)

C

- Calcium ion, regulation of contractile proteins of heart by, 45 (71)
- Cardiomyopathy:
 - associated with hereditary familial neuromyopathic diseases, 23 (71)
 - definitions and clarification, 41 (72)
- Cardiovascular system:
 - isometric exercise and, 11 (72)
 - oral contraceptive effects on, 37 (72)
 - physical activity and cardiovascular health, 17 (72), 21 (72), 25 (72)
- Chemoprophylaxis, and infective endocarditis in cardiac surgery, 53 (72)

- Coagulation, blood clotting and oral contraceptives, 37 (72)
- Conduction, ventricular, and systolic time intervals, 5 (71)
- Congenital heart disease, pathophysiology of heart failure in, 1 (72)
- Congestive heart failure:
 - chronic, assessment of coronary bypass operations for, 47 (72)
 - lung water in, 27 (71)
- Contraceptives, oral, cardiovascular effects of, 37 (72)
- Contractile proteins of the heart, regulation by calcium ion, 45 (71)
- Contractility:
 - mechanical and biochemical correlates of, 39 (71), 45 (71)
 - myocardial, and prostaglandins, 49 (71)
 - and oxygen consumption of the heart, 9 (71)
- Coronary artery bypass operations, for ischemic heart disease, 47 (72)
- Coronary circulation, and prostaglandins, 49 (71)
- Coronary heart disease, potential and possible mechanisms of prevention, 17 (72)
- Coronary thrombosis, relationship to myocardial infarction, 7 (72)

D

- Diagnosis:
 - atrioventricular defects, 33 (71)
 - the cardiomyopathies, 41 (72)
 - cardiovascular manifestations of hereditary familial neuromyopathic diseases, 23 (71)
 - hyperlipidemia, 31 (72)
 - syncope, 55 (71), 61 (71)
 - use of systolic time intervals in cardiac evaluations, 1 (71), 5 (71)
- Drugs:
 - antihypertensive, 17 (71)
 - oral contraceptives, cardiovascular effects of, 37 (72)
 - in treatment of hyperlipidemia, 31 (72)

E

- Electrocardiogram, and atrioventricular defects, 33 (71)
- Endocarditis, infective, current problems, 53 (72)
- Energy; activation, utilization, and O₂ consumption of the heart, 9 (71)
- Exercise:
 - isometric, and the cardiovascular system, 11 (72)
 - physical activity and cardiovascular health, 17 (72), 21 (72), 25 (72)

F

- Fainting. *See* Syncope
- Friedreich's ataxia, cardiovascular manifestations, 23 (71)

H

- Headaches, migraine, and oral contraceptives, 37 (72)

Heart:

- atrioventricular defects, 33 (71)
- cardiomyopathy, 23 (71), 41 (72)
- contractile proteins of, regulation by calcium ion, 45 (71)
- contractile state and oxygen consumption, 9 (71)
- contraction, mechanical and biochemical correlates of, 39 (71), 45 (71)
- disease. *See* Heart disease
- exercise effects on, 11 (72), 17 (72), 21 (72), 25 (72)
- failure. *See* Heart failure
- muscle. *See* Myocardium
- oral contraceptive effects, 37 (72)
- oxygen consumption of, 9 (71)
- rate, and oxygen consumption, 9 (71)
- surgery
 - coronary bypass, for ischemic heart disease, 47 (72)
 - infective endocarditis after, 53 (72)
 - syncope, 55 (71), 61 (71)
 - ventricular conduction and systolic time intervals, 1 (71), 5 (71)

Heart disease:

- cardiomyopathy
 - associated with hereditary diseases, 23 (71)
 - definitions and clarification, 41 (72)
 - congenital, pathophysiology of heart failure in, 1 (72)
- coronary, potential and possible mechanisms of prevention, 17 (72)
- exercise in patients with, 11 (72), 17 (72), 21 (72), 25 (72)

- ischemic, coronary bypass operations for, 47 (72)
- and systolic time intervals, 1 (71), 5 (71)

Heart failure:

- congestive
 - chronic; assessment of coronary bypass operations for, 47 (72)
 - lung water in, 27 (71)
 - and oxygen consumption, 9 (71)
 - pathophysiology in congenital heart disease, 1 (72)

- Heart rate, and oxygen consumption, 9 (71)

- Hereditary familial neuromyopathic diseases, associated with cardiomyopathy, 23 (71)

- Hyperlipidemia, diagnosis and treatment, 31 (72)

Hypertension:

- antihypertensive agents, 17 (71)
- chronic, medical treatment of, 17 (71)
- oral contraceptive effects, 37 (72)
- renovascular, and prostaglandins, 49 (71)
- and systolic time intervals, 5 (71)

- Hypertrophic (obstructive) cardiomyopathy, 41 (72)

- Hypotension, orthostatic, with syncope, 61 (71)

I

- Idiopathic hypertrophic subaortic stenosis (hypertrophic [obstructive] cardiomyopathy), 41 (72)

- Infarction. *See* Myocardial infarction

- Infective endocarditis, current problems, 53 (72)

- Intramycardial tension, and oxygen consumption of the heart, 9 (71)

- Ischemic heart disease, coronary bypass operations for, 47 (72)

- Isometric exercise, and the cardiovascular system, 11 (72)

L

- Lipids; diagnosis and treatment of hyperlipidemia, 31 (72)

- Lung water, in congestive heart failure, 27 (71)

M

- Migraine, and oral contraceptives, 37 (72)

- Mobilization, early, and discharge after myocardial infarction, 59 (72)

Muscle:

- cardiac. *See* Myocardium
- vascular smooth muscle, and prostaglandins, 49 (71)

Muscular dystrophy, myotonic and progressive, cardiovascular manifestations, 23 (71)

Myocardial infarction:

- acute, and systolic time intervals, 5 (71)
- early mobilization and discharge after, 59 (72)
- and oxygen consumption of the heart, 9 (71)
- relationship between coronary thrombosis and, 7 (72)

Myocardium:

- cardiomyopathy
 - associated with hereditary familial neuromyopathic diseases, 41 (72)
 - definitions and clarification, 23 (71)
- contractility
 - mechanical and biochemical correlates of, 39 (71), 45 (71)
 - and oxygen consumption of the heart, 9 (71)
 - and prostaglandins, 49 (71)
- infarction. *See* Myocardial infarction
- intramyocardial tension and oxygen consumption of the heart, 9 (71)

N

Neuromyopathic diseases, hereditary familial, associated with cardiomyopathy, 23 (71)

O

- Oral contraceptives, cardiovascular effects of, 37 (72)
- Orthostatic hypotension, with syncope, 61 (71)
- Oxygen consumption of the heart, physiology and clinical implications, 9 (71)

P

- Patent ductus arteriosus, heart failure and shunting in, 1 (72)
- Physical activity, and cardiovascular health, 17 (72), 21 (72), 25 (72)
- Prophylaxis, and asepsis for prevention of infective endocarditis in cardiac surgery, 53 (72)
- Prostaglandins, and the circulation, 49 (71)
- Proteins, cardiac contractile, regulation by calcium ion, 45 (71)
- Pulmonary circulation:
 - lung water in congestive heart failure, 27 (71)
 - prostaglandins and, 49 (71)

R

- Regional circulation, and prostaglandins, 49 (71)
- Renal circulation, and prostaglandins, 49 (71)

Renin-angiotensin-aldosterone system, oral contraceptive effects on, 37 (72)

Renovascular hypertension, and prostaglandins, 49 (71)

S

Shunting, and heart failure in congenital heart disease, 1 (72)

Surgery:

- for atrioventricular defects, 33 (71)
- cardiac, infective endocarditis after, 53 (72)
- coronary artery bypass operations for ischemic heart disease, 47 (72)

Syncope, differential diagnosis and treatment, 55 (71), 61 (71)

Systemic circulation, and prostaglandins, 49 (71)

Systolic time intervals:

- clinical application of, 5 (71)
- measurement of, 1 (71)

T

Tension, intramyocardial, and oxygen consumption of the heart, 9 (71)

Therapy:

- atrioventricular defects, surgical treatment of, 33 (71)
- chronic hypertension, medical treatment of, 17 (71)
- coronary bypass operations for ischemic heart disease, 47 (72)
- hyperlipidemia, 31 (72)
- syncope, 55 (71), 61 (71)

Thromboembolism, and oral contraceptives, 37 (72)

Thrombosis, coronary, relationship to myocardial infarction, 7 (72)

Time intervals, systolic:

- clinical application in cardiac disease, 5 (71)
- measurement, 1 (71)

V

Vascular smooth muscle, and prostaglandins, 49 (71)

Ventricle:

- cardiomyopathy, 41 (72)
- conduction, performance, and systolic time intervals, 5 (71)

Ventricular septal defect, heart failure and shunting in, 1 (72)